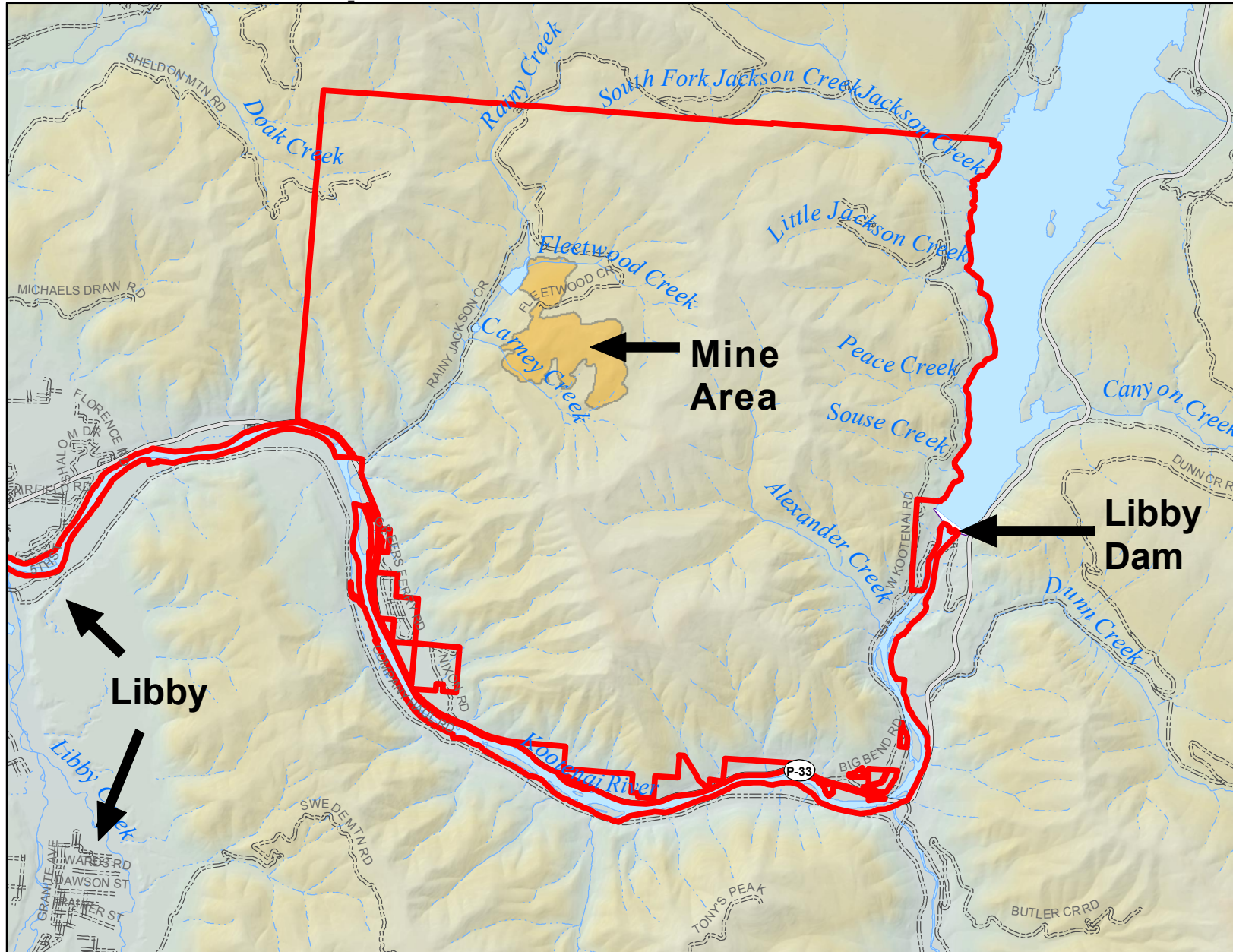




1076064

20-SEP-2007 S:\GIS\ARCPRJ\2\0100-008-900-LIBBYMT\PLT\PHASE1\_070920\FIG 2-1



### Legend

- Mined Area
- Open Water
- County Road
- Primary Road
- Perennial Stream
- Intermittent Stream
- Preliminary Operable Unit 3 Boundary



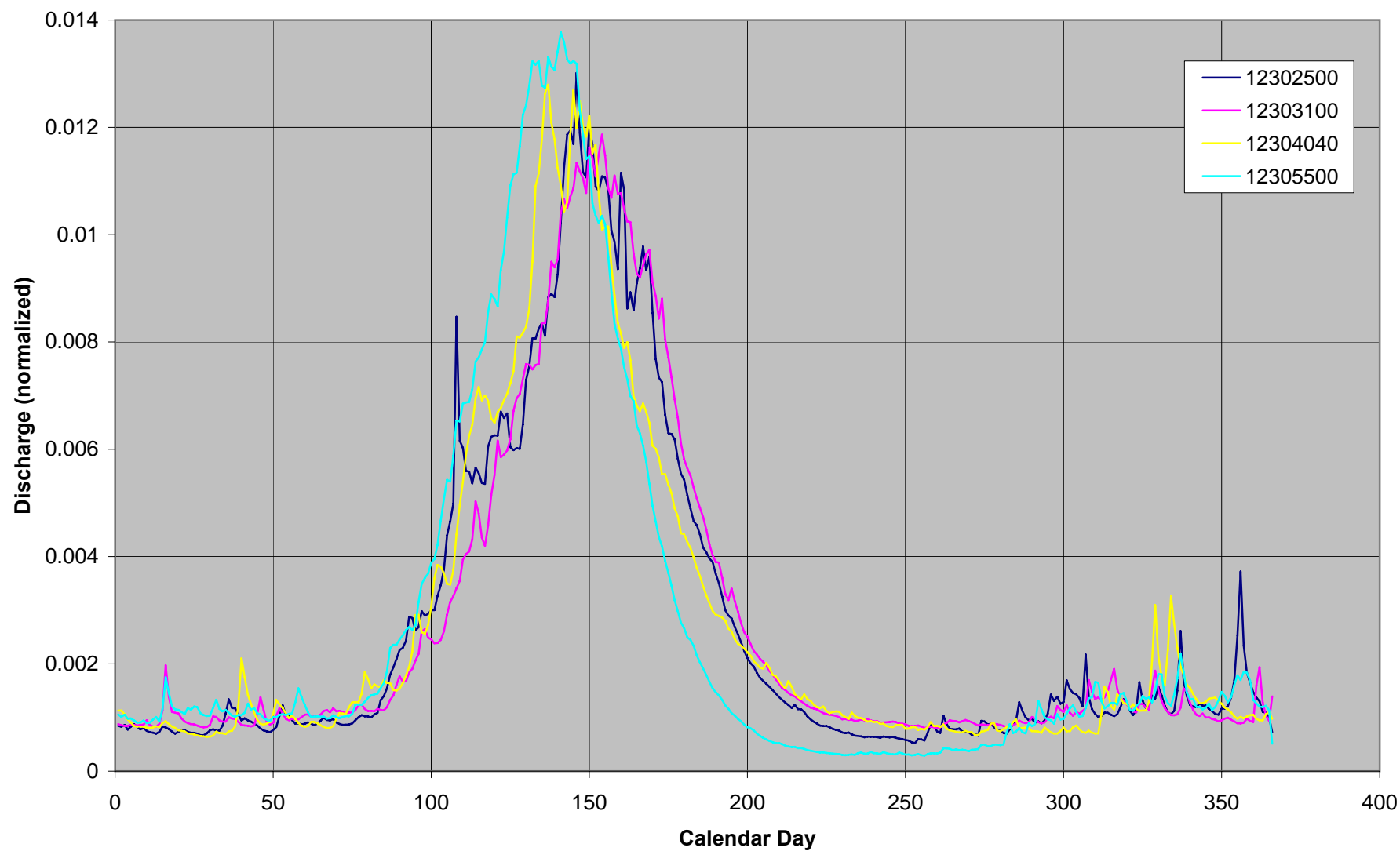
Libby Montana Superfund Site  
Operable Unit 3

FIGURE 2-1

Operable Unit 3

PROJECT: 0100-008-900 DATE: AUG 02, 2007  
REV: 0 BY: CHECKED: ACK

**Figure 2-2. USGS Gaging Stations on creeks  
similar to Rainy Ck drainage**





### Legend

- County Road
- Primary Road
- Open Water
- Perennial Stream
- Intermittent Stream
- Surface Water/Sediment Sample Location

N

0 2,000 4,000

Feet

**LIBBY MONTANA SUPERFUND SITE**

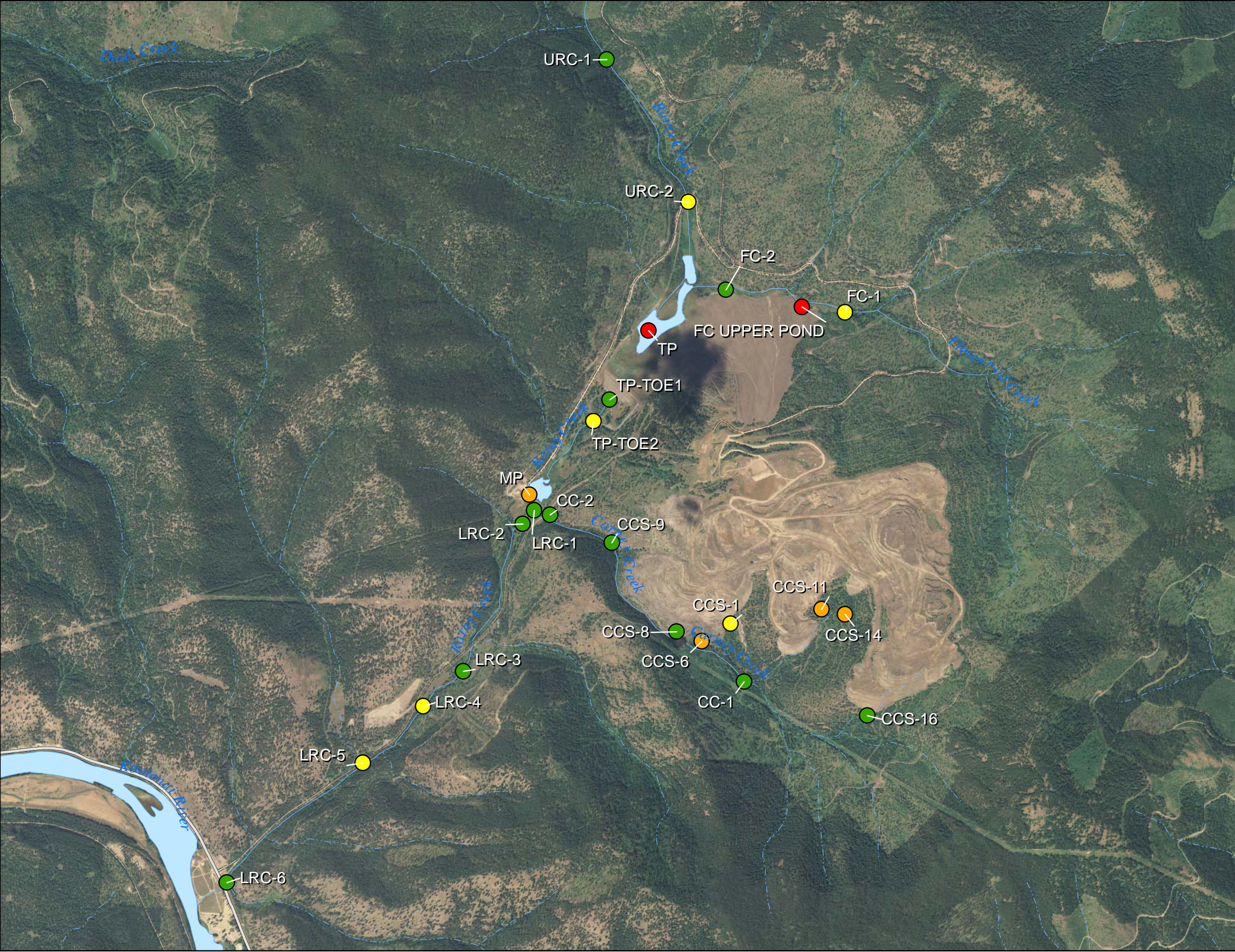
OPERABLE UNIT 3

FIGURE 3-1

**SURFACE WATER / SEDIMENT SAMPLING LOCATIONS**

PROJECT: 0100-008-900	DATE: OCT 2, 2007
REV: 0	BY: CRL    CHECKED: ACK

NEWFIELDS



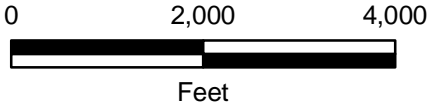
**Legend**

- ==== County Road
- ==== Primary Road
- Open Water
- Perennial Stream
- Intermittent Stream

**Asbestos in Surface Water (Total LA)**

- ND - 1 MFL
- 1 - 10 MFL
- 10 - 100 MFL
- > 100 MFL

DRAFT

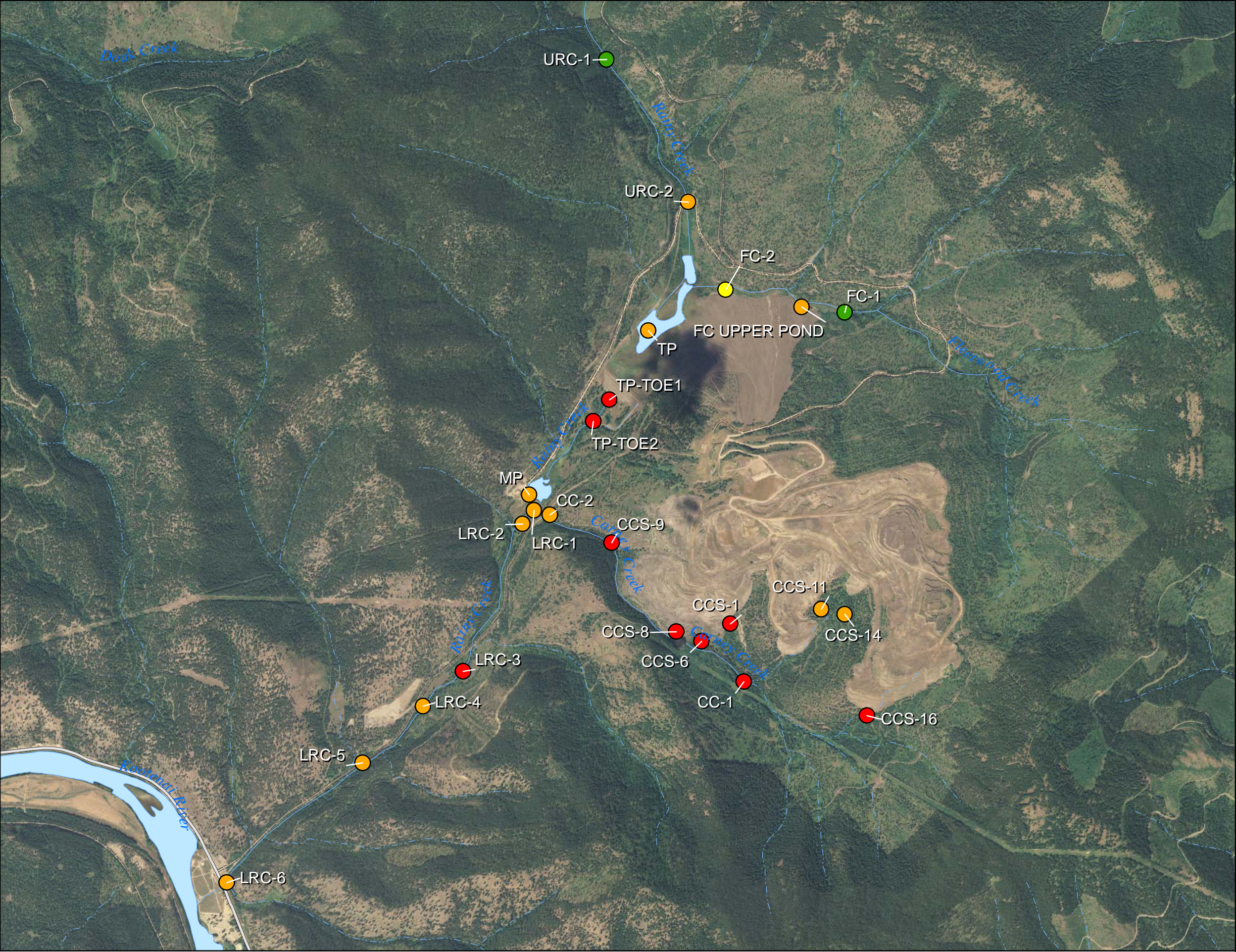


**LIBBY MONTANA SUPERFUND SITE**  
OPERABLE UNIT 3

FIGURE 3-2  
**ASBESTOS LEVELS IN  
SURFACE WATER**

PROJECT: 0100-008-900	DATE: FEB.3, 2008
REV: 0	BY: CRL    CHECKED:





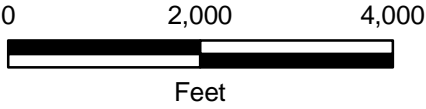
**Legend**

- ==== County Road
- Primary Road
- Open Water
- Perennial Stream
- Intermittent Stream

**Asbestos Levels in Sediment (PLM-VE)**

- ND
- B1 (TR)
- B2 (<1%)
- C (2 - 6%)

**DRAFT**

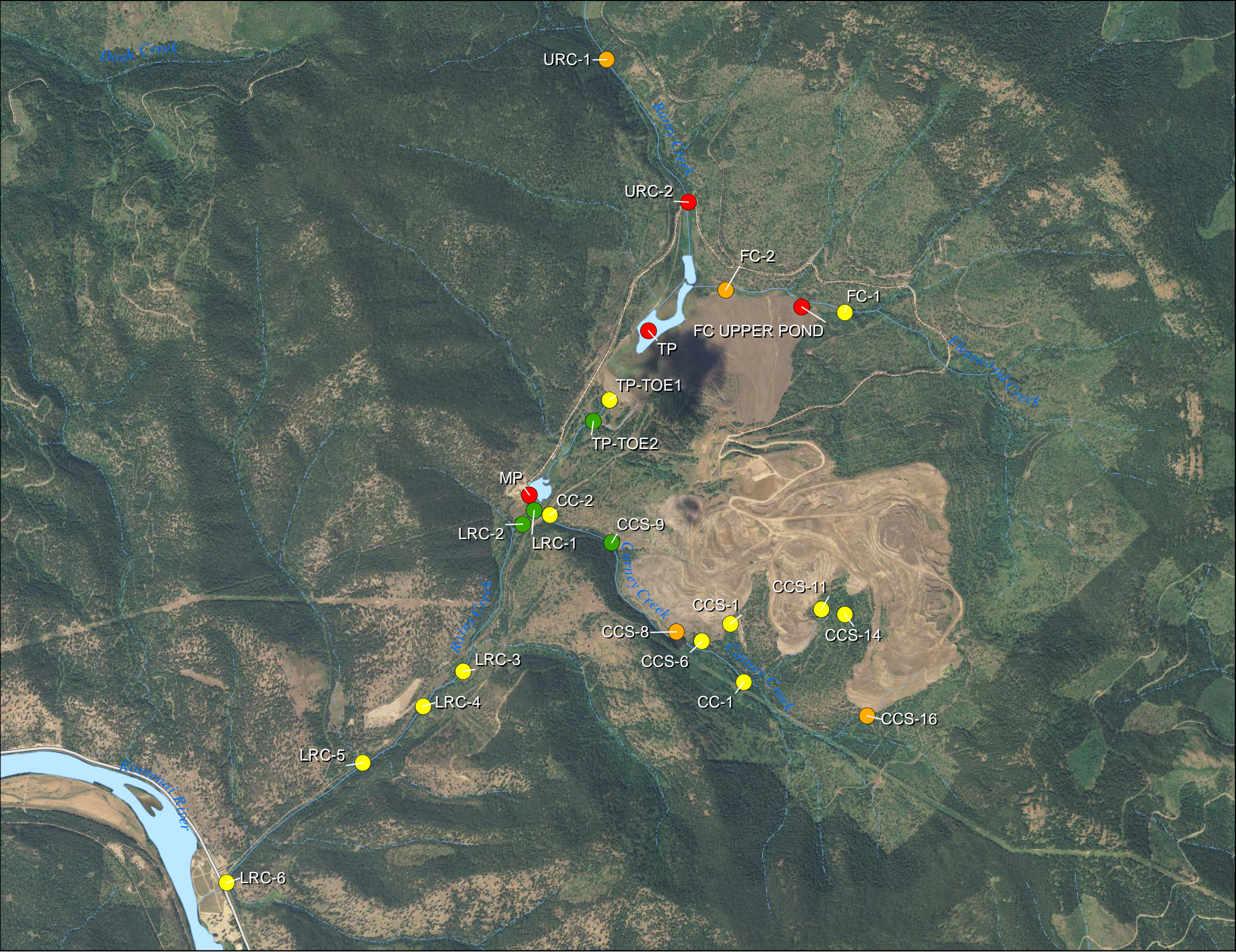


**LIBBY MONTANA SUPERFUND SITE**  
OPERABLE UNIT 3

**FIGURE 3-3**  
**ASBESTOS LEVELS**  
**IN SEDIMENT**

PROJECT: 0100-008-900	DATE: FEB.2, 2008
REV: 0	BY: CRL   CHECKED:





**Legend**

- County Road
- Primary Road
- Open Water
- Perennial Stream
- Intermittent Stream

**Total Extractable Hydrocarbons in Sediment**

- 0 - 30 mg/kg
- 30 - 100 mg/kg
- 100 - 300 mg/kg
- 300 - 1000 mg/kg

**DRAFT**

0 2,000 4,000  
Feet

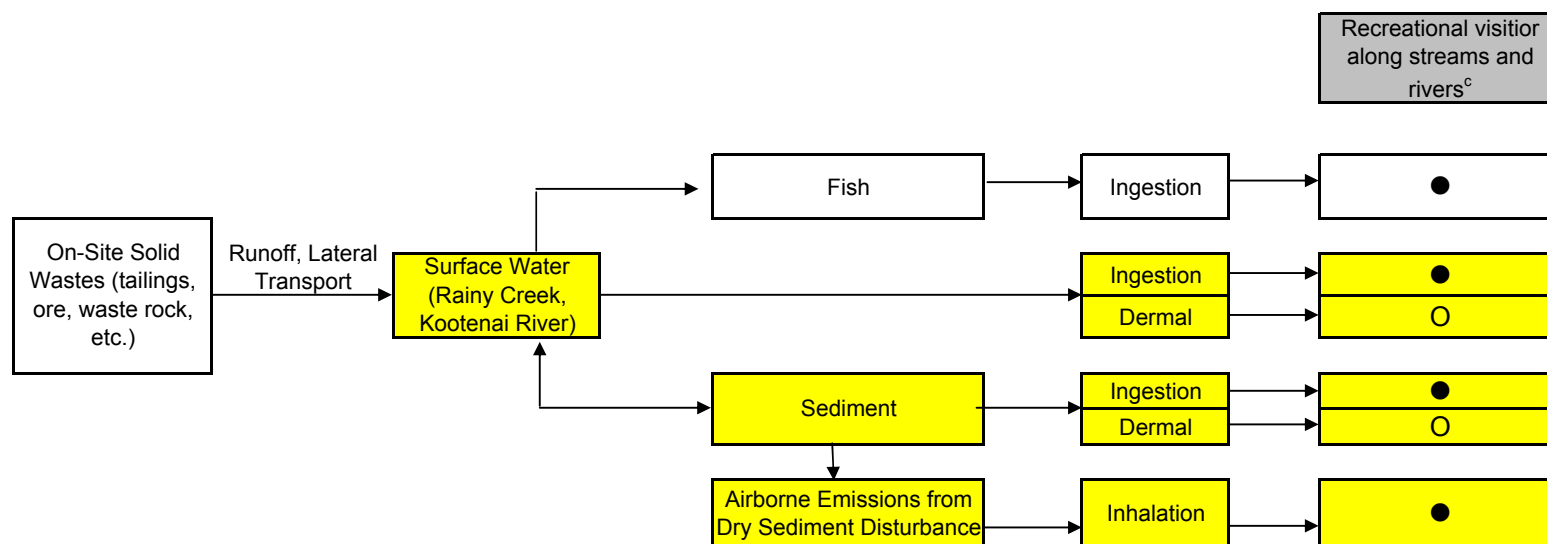
**LIBBY MONTANA SUPERFUND SITE**  
OPERABLE UNIT 3

FIGURE 3-4  
**TOTAL EXTRACTABLE  
HYDROCARBON LEVELS  
IN SEDIMENTS**

PROJECT: 0100-008-900	DATE: FEB.2, 2008
REV: 0	BY: CRL   CHECKED:

NEWFIELDS

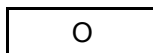
**Figure 4-1. Site Conceptual Model for Human Exposure to Surface Water and Sediment**



#### LEGEND



Pathway is complete and exposure may be significant; quantitative evaluation is warranted



Pathway is complete but is believed to be minor in comparison to other pathways; qualitative evaluation is warranted

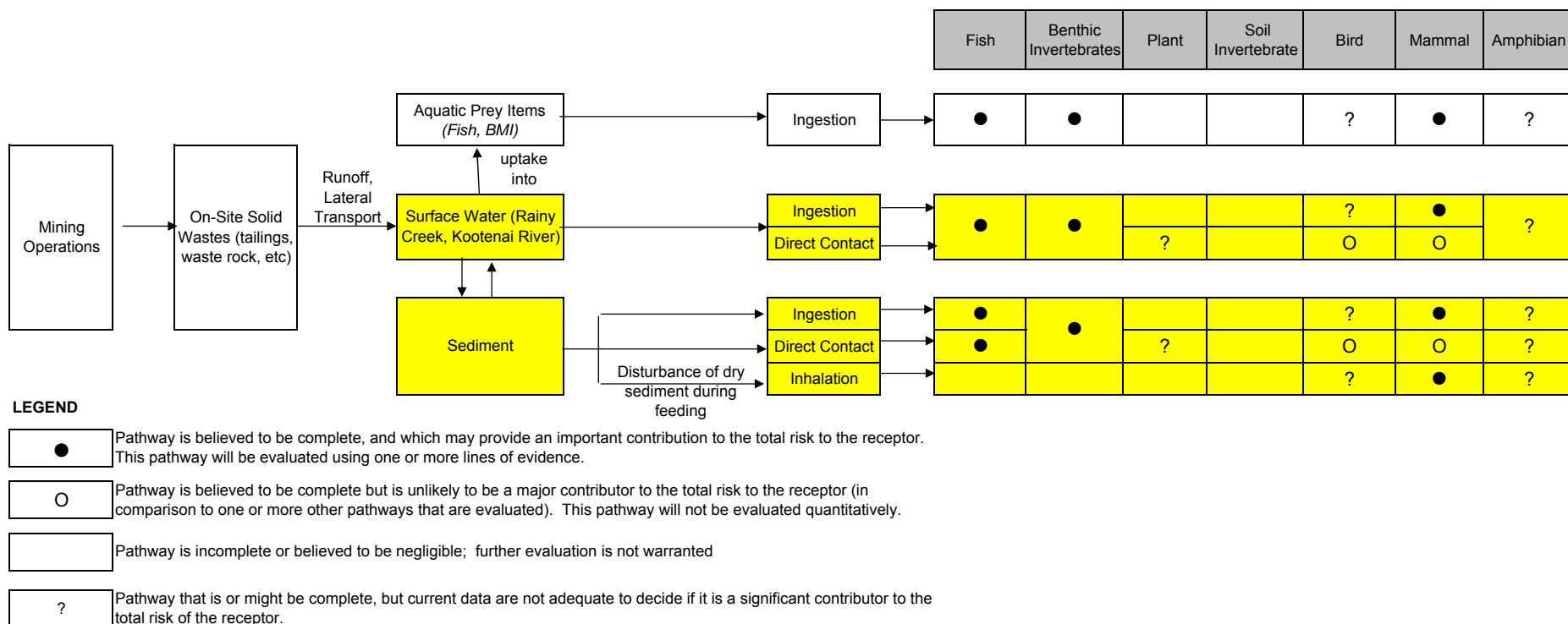


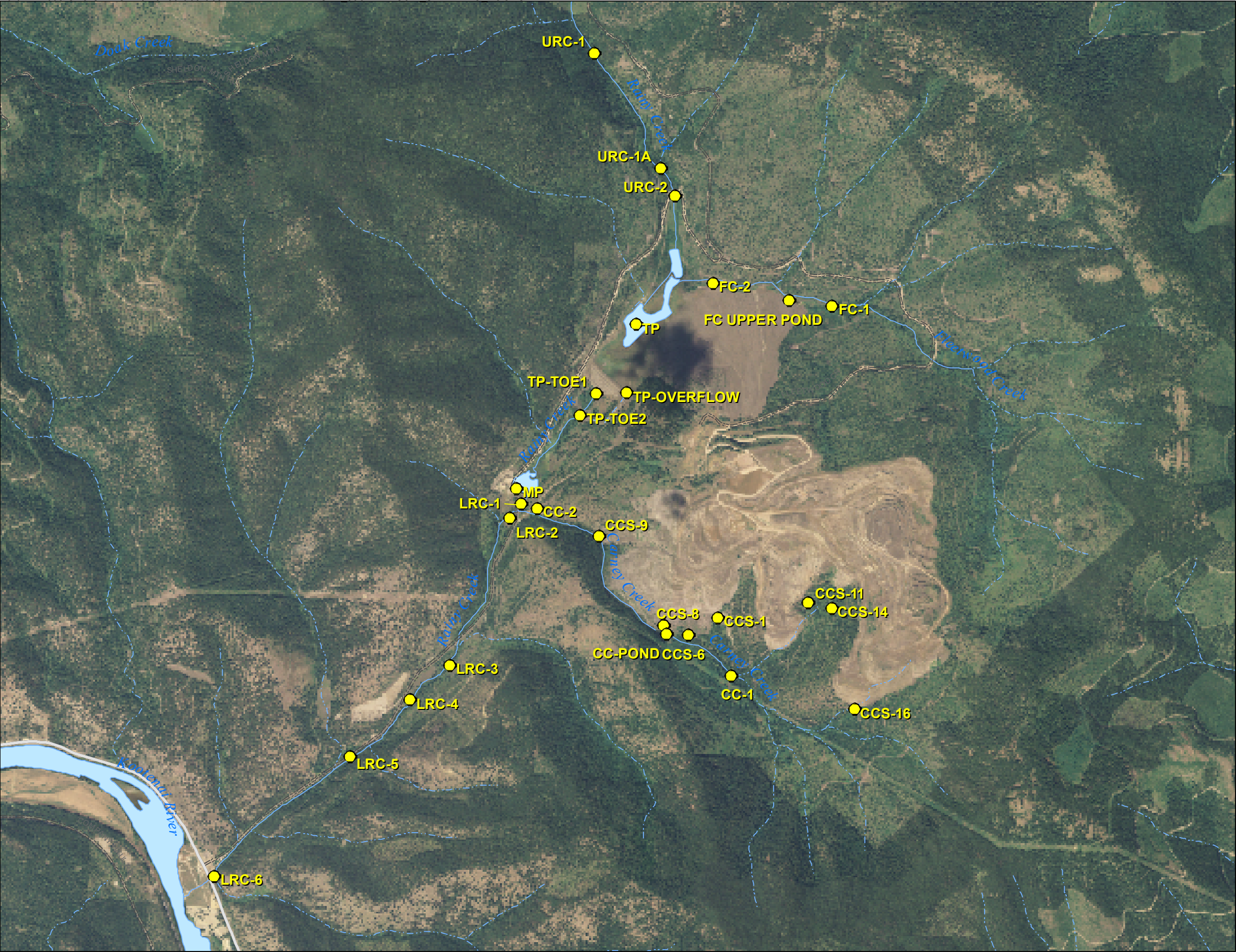
Pathway is incomplete or believed to be negligible; further evaluation is not warranted

#### NOTES:

- Recreational visitors in forest areas may include a range of activities, such as camping, hiking, dirt bike or ATV riding, hunting, etc.
- Woodcutting may include exposures of area residents gathering wood for personal use as well as commercial logging activities
- Recreational visitors along streams and rivers may include a range of activities such as hiking, fishing and wading/swimming

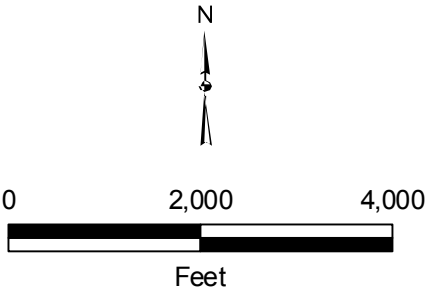
**Figure 4-2. Conceptual Site Model for Ecological Exposure to Surface Water and Sediment**





**Legend**

- ==== County Road
- Primary Road
- Open Water
- Perennial Stream
- Intermittent Stream
- Surface Water/Sediment Sampling Location

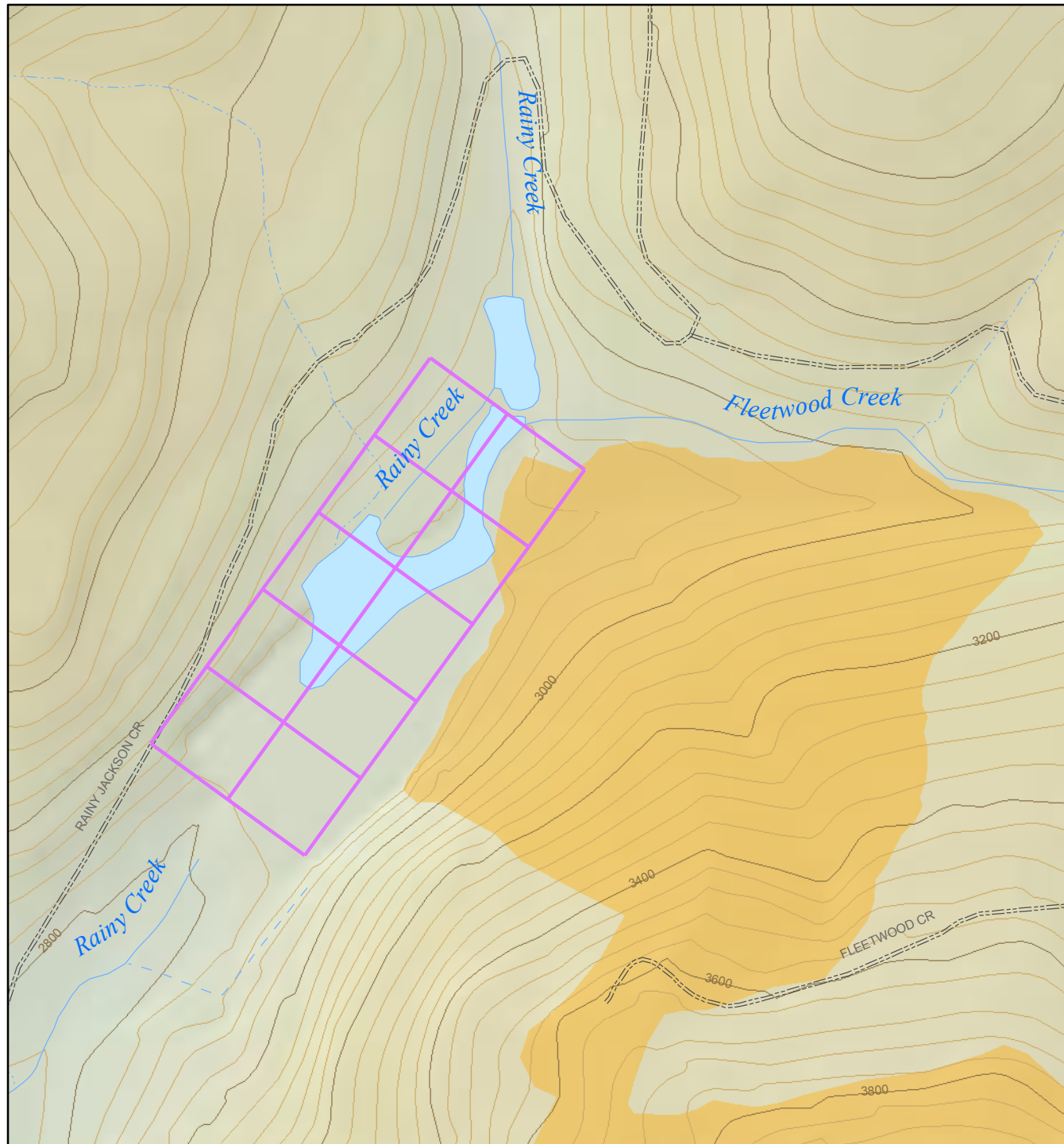


LIBBY MONTANA SUPERFUND SITE  
OPERABLE UNIT 3

FIGURE 5-1  
PHASE IIA: SAMPLING LOCATIONS  
IN RAINY CREEK WATERSHED  
ELEMENT 1

PROJECT: 0100-008-900	DATE: JAN. 29, 2008
REV: 0	BY: CRL    CHECKED: ACK



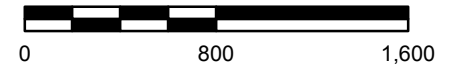


## Legend

- County Road
- Primary Road
- Perennial Stream
- Intermittent Stream
- Water Diversion
- Open Water
- Sediment Sampling Grid



Feet



**LIBBY MONTANA SUPERFUND SITE**

OPERABLE UNIT 3

FIGURE 5-2

**SEDIMENT SAMPLING GRID  
FOR IMPOUNDMENT,  
RAINY CREEK WATERSHED -  
ELEMENT 1**

PRJ: 0100-008-900

Feb 04, 2008

REV: 0

BY: CRL

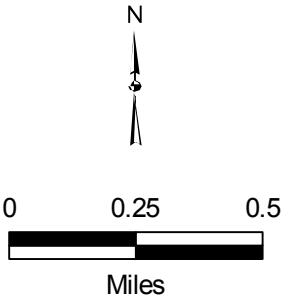
CHECKED: KJT

**NEWFIELDS**



**Legend**

- ==== County Road
- Primary Road
- Open Water
- Perennial Stream
- Intermittent Stream
- Surface Water Monitoring Location

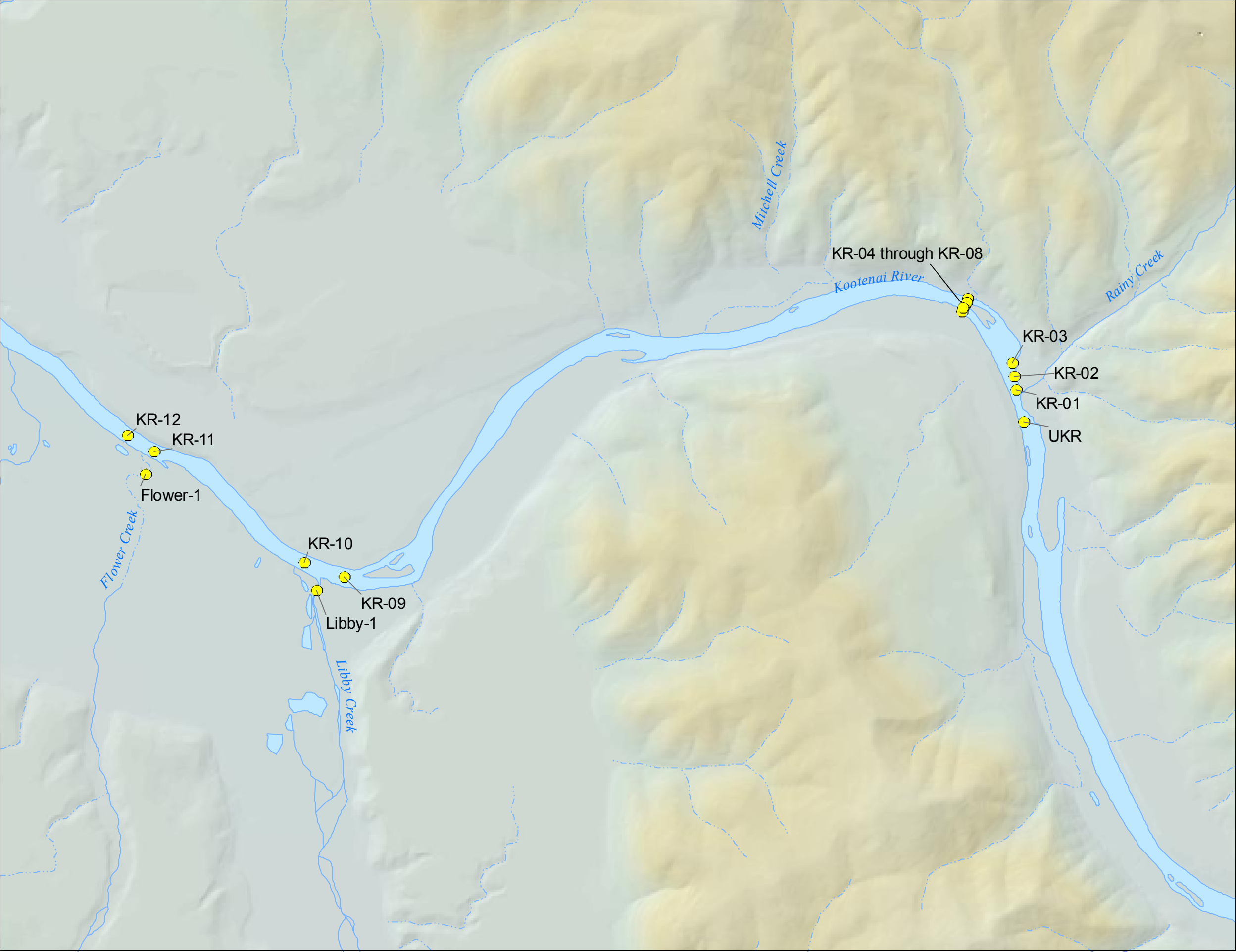


**LIBBY MONTANA SUPERFUND SITE**  
OPERABLE UNIT 3

FIG. 5-3 PHASE IIA  
**SURFACE WATER MONITORING  
LOCATIONS - ELEMENT 2  
RAINY CREEK WATERSHED**

PROJECT: 0100-008-900	DATE: JAN. 29, 2008
REV: 0	BY: CRL    CHECKED: ACK





### Legend

- Open Water
- Perennial Stream
- Intermittent Stream
- Surface Water Monitoring Locations

0 0.5 1  
Miles

**LIBBY MONTANA SUPERFUND SITE**  
OPERABLE UNIT 3

**FIGURE 5-4**  
**SURFACE WATER SAMPLING**  
**LOCATIONS - KOOTENAI RIVER**

PROJECT: 0100-008-900	DATE: JAN. 30, 2008
REV: 0	BY: CRL    CHECKED: ACK